

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.: 2877-5-6-03

APR 29 2003  
In re Application of:MARC J. RUYMEN ET AL.  
09/686,581

Filed: OCTOBER 11, 2000

Confirmation No.: 4798

Title: APPARATUS AND METHOD FOR SCANNING PRODUCTS  
WITH A LIGHT BEAM TO DETECT AND REMOVE IMPURITIES OR  
IRREGULARITIES IN A CONVEYED STREAM OF THE PRODUCTS)Commissioner for Patents  
U.S. Patent and Trademark Office  
Washington, DC 20231

Group Art Unit: 2877-5-6-03

Examiner: T. NGUYEN

Our Account No.: 04-1408

# 8 Enr  
RECEIVED  
MAY 2 2003  
U.S. MAIL ROOM  
2800 MAIL ROOMAMENDMENT

This is a response/amendment/letter in the above-identified application and includes the herewith attachment of same date and subject which is incorporated hereinto by reference and the signature below is to be treated as the signature to the attachment in absence of a signature thereto.

Fee requirements (if any) have been calculated as shown below:

Claims remaining after amendment	Highest number previously paid for	Present Extra	Additional Fee
Total Effective Claims 32	Minus 32	=	x \$18 = \$ .00
Independent Claims 3	minus	= 0	x \$84 = \$ .00
If amendment enters proper multiple dependent claim(s) into this application for first time, add \$280.00 (per application)			\$ .00
Since Official Action set an original due date of 3/30/03			\$ 110.00
PETITION is hereby made for an extension to cover the date this response is filed for which the requisite fee is enclosed (1 month \$110; 2 months \$410; 3 months \$930; 4 months \$1450)			\$ .00
If Terminal Disclaimer enclosed, add Rule 20(d) Official Fee (\$110.00)			\$ .00
		SUBTOTAL:	\$ 110.00
If "small entity" verified statement filed [ ] previously, [ ] herewith, enter one-half (½) of subtotal and subtract			\$ .00
		TOTAL:	\$ 110.00
Other: INFORMATION DISCLOSURE STATEMENT			\$ 180.00
04/30/2003 SDIRETAL 00000047 09686581		TOTAL FEE ENCLOSED:	\$ 290.00

01 FEB1251 110.00 OP  
The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any fees in addition to the fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (deficiency only) now or hereafter relative to this application and the resulting official document under Rule 20, or credit any overpayment, to our Account No. shown in the heading hereof for which purpose a duplicate copy of this sheet is attached. This statement does not authorize charge of the issue fee in this case.

## ADDRESS:

Post Office Box 1449  
Greenville, South Carolina 29602  
Telephone: 864-271-1592  
Facsimile: 864-233-7342

DORITY & MANNING  
ATTORNEYS AT LAW, P.A.

By: STEPHEN E. BONDURA Reg. No. 35,070 Date: 4/24/03

Signature: Stephen E. Bondura

I hereby certify that this correspondence and any referenced attachment and fee are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, U.S. Patent and Trademark Office, Washington, DC 20231, on 4/24/03

JACQUELINE M. LEONARD

(Typed or printed name of person mailing paper or fee)

(Signature of person mailing paper or fee)

BEST AVAILABLE COPY



# 8/A  
5/6/03  
Haley

ATTORNEY DOCKET NO.: BST-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of ) Examiner: T. NGUYEN  
MARC J. RUYMEN ET AL. )  
Serial No.: 09/686,581 ) Art Unit: 2877  
Filed: OCTOBER 11, 2000 )  
For: APPARATUS AND METHOD FOR SCANNING )  
PRODUCTS WITH A LIGHT BEAM TO DETECT AND )  
REMOVE IMPURITIES OR IRREGULARITIES IN A )  
CONVEYED STREAM OF THE PRODUCTS )

AMENDMENT

Commissioner of Patents  
U.S. Patent and Trademark Office  
Washington, D.C. 20231

Sir:

The present Amendment is in response to the Office Action dated December 30, 2002, in the above captioned application. Please enter the following Amendment:

IN THE CLAIMS

Please amend claims 1, 10, and 14 as set forth in the attached Claim

Worksheets. The claims as amended are presented below in "clean" format. All pending claims are presented below for sake of convenience.

- A<sup>1</sup>
1. (Amended) An apparatus for detecting irregular or foreign objects in products moving through a scanning zone, said apparatus comprising:  
a light source, said light source directing a concentrated light beam having a given cross sectional area in a scanning pattern towards a scanning zone wherein said products move through said scanning zone and are impinged upon by said light beam moving in said scanning pattern, said light being directly reflected from generally the

RECEIVED  
MAY -2 2003  
102800 MAIL ROOM